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16 October 1963

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**MEMORANDUM FOR: Deputy Director (Science and Technology)**

**SUBJECT : Daily Activity Report - 16 October 1963**

**1. MISSION STATUS**

a. **IDEALIST** - The detachments [Redacted] and Edwards Air Force Base California are on standby status as is the Staging Detachment [Redacted]

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b. **BRASS KNOB** - One SAC U-2 mission was flown yesterday over Cuba. Mission #3751 was flown with an estimated 50% target coverage with no reactions.

An operational test of color film in the Hycon B configuration is planned for the BRASS KNOB mission scheduled for today (16 October). Take from the BRASS KNOB mission flown with the ITEK Triple Prime Camera is now at NPIC for evaluation; initial reports received from NPIC this morning (16 October) indicate that resolution is very good, probably one foot or less. Further reports will be made as NPIC continues its evaluation.

c. **SATELLITES** - No launches scheduled this date.

**2. OXCART Flights, 15 October 1963:**

a. **Aircraft #121: Flight 87; duration - 44 minutes; program - high speed roughness investigation; maximum Mach - 2.76; maximum altitude - 73,000 feet. New inlet modification to remove more air from aft end of duct. Roughness slightly perceptible @ Mach 2.62, firmly established @ Mach 2.75. Reportedly a substantially smoother flight than before and that probably even more air needs to be removed from aft end of duct @ high but not @ lower supersonic Mach numbers indicating possible additional variable geometry requirement.**

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- b. Aircraft #124: Flight 156; duration - 2:09 hours; program - training.
- c. Aircraft #126: Flights 25 and 26; durations - 1:26 hours and 1:35 hours; programs - INS, ARC-5D, 

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3. OXCART Status, 15 October 1963:

- a. Aircraft #122: Inlet control and electrical system maintenance.
- b. Aircraft #125: Afterburner liner replacement.
- c. Aircraft #127 and 128: Waiting fins.
- d. Aircraft #129: Lockheed inlet control calibration.
- e. Aircraft #130: Final assembly.

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